Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL	ENGINE FAMILY		ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST	INTENDED SERVICE CLASS	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6 EMD			
YEAR	ENOUGH THE				PROCEDURE		DDI, TC, CAC, ECM, EGR, OC,				
2009	9NVXH0570	NVXH0570AGA		Diesel	Diesel	MHDD	PTOX				
PRIMARY ENGINE'S ID		ADDITIONAL IDLE EMISSIONS CONTROL 5									
ESS			N/A.								
ENGINE ((L)	ENGINE MODELS / CODES (rated power, in hp)									
9.3		GDT350 / GDT350 (350), GDT330 / GDT330 (330) GDT350 / 0012WZD (350), GDT330 / 0012WZD (330)									
L=liter; hp CNG/L1	=horsepower; kw=kii NG=compressed/lique	lowatt; h efied natu	r=hour; ıral gas; LPG=liquefie	•	hanol fuel; MF=mul		R 86.abc=Title 40, Code of Federal Regulation =bi fuel; DF=dual fuel; FF=flexible fuel;	s, Section 86.abc;			
ECS=er up catalyst TBI=throttle super charge control most	mission control system ; DPF=diesel particul e body fuel injection; ger; CAC=charge air dule: EM=engine mo	m; TWC/ late filter; SFI/MFI= cooler; I dification	OC=three-way/oxidizing PTOX=periodic trap of sequential/multi port fegg / EGR / EGR -C=exhaus 2 (prefix)=parallel;	ng catalyst; NAC=NOx adsorp oxidizer; HO2S/O2S=heated/o uel injection; DGI=direct gaso t gas recirculation / cooled EG 2) (suffix)=in series;	tion catalyst; SCR-t xygen sensor; HAF line injection; GCAR R; PAIR/AIR=pulse	S/AFS=heated/ IB=gaseous car d/secondary air	ctive catalytic reduction – urea / ammonia; W air-fuel-ratio sensor (a.k.a., universal or linear of fouretor; IDVDDI=indirect/direct diesel injection injection; SPL=smoke puff limiter; ECM/PCMi al combustion auxiliary power system; ALT=al	xygen sensor); ; TC/SC=turbo/ =engine/powertrair			
(per 13 CC	R 1956.8(a)(6)(D); E	xempt=e	xempted per 13 CCR	1956.8(a)(6)(B) or for CNG/LN	G fuel systems; N/A	t=not applicable	e (e.g., Otto engines and vehicles);				

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.).

EMD=engine manufacturer diagnostic system (13 CCR 1971); OBD=on-board diagnostic system (13 CCR 1971.1);

in g/bhp-hr	NMHC		NOx		NMHC+NOx		co		PM		нсно	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	*	*	*	*	15.5	15.5	0.01	0.01	*	*
FEL	*	*	1.90	1.90	1.9	1.9	*	•	* .	*	*	*
CERT	0.00	0.00	1.62	1.34	1.6	1.3	0.5	0.00	0.001	0.001	*	*
NTE	0.21		2.38		2.4		19.4		0.02		*	

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission lest cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde; (Rev.: 2007-02-26)

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: The listed engine models have been certified to the split engine family standards under 13 CCR 1956.8(b) [diesel engines] or 13 CCR 1956.8(d) [OTTO engines] and the incorporated 40CFR 86.007-15(m)(9).

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

BE IT FURTHER RESOLVED: Engines with the engine code 0012WZD are conditionally certified for use in vehicles that are exempted from the ESS requirements under the amendments approved by the Board on December 12, 2008. In the event the amendments were not approved by the Office of Administrative Law, and thus not becoming effective, the manufacturer will be required to recall these engines, provide the ESS feature, and affix a new engine label bearing the ESS status.

Engines certified under this Executive Order must conform to all applicable California emission regulations. The Bureau of Automotive Repair will be notified by copy of this Executive Order.

This Executive Order hereby supersedes Executive Order A-004-0340 dated December 24, 2008.

Executed at El Monte, California on this

_ day of February 2009.

Annette Hebert, Chief
Mobile Source Operations Division